ICATION PUBLISHED UNDER THE PATENT

PERATION TREATY (PCT)

# (19) World Intellectual Property Organization

International Bureau



# 

(43) International Publication Date 19 February 2004 (19.02.2004)

PCT

(10) International Publication Number WO 2004/014335 A3

(51) International Patent Classification7: 31/4458

A61K 9/16,

MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD. SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG,

KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,

(21) International Application Number:

PCT/CA2003/001175

(22) International Filing Date: 6 August 2003 (06.08.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

13 August 2002 (13.08.2002)

.2,395,819 CA

(71) Applicant and

(72) Inventor: SHERMAN, Bernard, Charles [CA/CA]; 50 Old Colony Road, Toronto, Ontario M2L 2K1 (CA).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,

### Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report: 13 May 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Rec'd PGT/PTO pplication No 03/01175



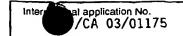
A. CLASSIFICATION OF SUBJECT MAT IPC 7 A61K9/16 A61K31/4458

10/527741

		<u> </u>	10/9/2/04	
According to	International Patent Classification (IPC) or to both national classific	ation and IPC		
B. FIELDS	SEARCHED			
Minimum do IPC 7	cumentation searched (classification system followed by classificati A61K	ion symbols)		
Documentat	ion searched other than minimum documentation to the extent that	such documents are included in the fields	searched	
Electronic d	ata base consulted during the international search (name of data ba	ase and, where practical, search terms use	ed)	
EPO-In	ternal, WPI Data, PAJ, BIOSIS, EMBA	SE, CHEM ABS Data		
C. DOCUM	NTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the re	levant passages	Relevant to claim No.	
X	WO 00/35450 A (KRISHNAMURTHY THIS DARKE ANDREW (CA); EURO CELTIQUE 22 June 2000 (2000-06-22) examples 10,11	NNAYAM N ; SA (LU);)	1,6	
A	WO 01/52813 A (PHARMACEUTICAL DI CORP) 26 July 2001 (2001-07-26) page 4, line 1 - page 5, line 17	1-6		
Α	WO 99/03471 A (MEHTA ATUL M ; DA MAGHSOUD M (US); ZEITLIN ANDREW 28 January 1999 (1999-01-28) page 4, line 7 - page 5, line 18	L (US))	1-6	
Funt	ner documents are listed in the continuation of box C.	γ Patent family members are liste	ed in annex.	
"A" docume consider "E" eartier of filing of "L" docume which citatio "O" docume other of the Date of the	ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another in or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or	*T* later document published after the ir or priority date and not in conflict wincited to understand the principle or invention  *X* document of particular relevance; the cannot be considered novel or canninvolve an inventive step when the cannot be considered to involve an document of particular relevance; the cannot be considered to involve an document is combined with one or ments, such combination being obvin the art.  *&* document member of the same pate  Date of mailing of the international state of the control of the	th the application but theory underlying the eclaimed invention to be considered to document is taken alone eclaimed invention inventive step when the more other such docu-ious to a person skilled	
	nailing address of the ISA	Authorized officer		
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		VON EGGELKRAUT, S		







Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. X Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  See FURTHER INFORMATION sheet PCT/ISA/210
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.



Continuation of Box I.2

Claims Nos.:

Present claims 1-5 relate to a product defined by reference to a desirable characteristic or property, namely a composition for the oral administration of a drug which achieves drug release in two spikes. The claims cover all products having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for only a very limited number of such products. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the product/compound/method/apparatus by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, the search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely those parts relating to the products comprising methylphenidate or a salt thereof, and an enteric polymer.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

## INTERNATIONAL SEARCH REPORT

Infantion on patent family members

Internatio	Application No
PC	03/01175
 	<del>/                                    </del>

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0035450	Α	22-06-2000	AU	2371200 A	03-07-2000
			CA	2355644 A1	22-06-2000
			EP	1140088 A1	10-10-2001
			JP	2002532426 T	02-10-2002
			WO	0035450 A1	22-06-2000
			US	6673367 B1	06-01-2004
WO 0152813	Α	26-07-2001	AU	3101801 A	31-07-2001
			EP	1248594 A1	16-10-2002
			JP	2003520223 T	02-07-2003
			WO	0152813 A1	26-07-2001
		_	US	2001046472 A1	29-11-2001
WO 9903471	Α	28-01-1999	US	5837284 A	17-11-1998
			AU	738744 B2	27-09-2001
			ΑU	7834398 A	10-02-1999
			CA	2240329 A1	14-01-1999
			DE	1001772 T1	01-03-2001
			ΕP	1001772 A1	24-05-2000
			ES	2153338 T1	01-03-2001
			JP	2002510318 T	02-04-2002
			US	2003113373 A1	19-06-2003
			WO	9903471 A1	28-01-1999